

METHOD AND APPARATUS FOR AUTOMATICALLY  
LOADING POWDER MATERIAL INTO A MOLD

ABSTRACT OF THE DISCLOSURE

The present invention is a method of loading a desired  
5 amount of powder material into a mold which comprises a  
tubular body having a bore extending therethrough to define  
a mold cavity. The method comprises the steps of: providing  
the mold with a lower press core fitted in the lower end of  
the bore; bringing the mold with said lower press core  
10 fitted therein to a powder filling position; displacing the  
lower press core relative to the mold so as to determine the  
depth of the top surface of the lower press core from the  
top surface of the mold; filling an amount of powder  
material into the mold and strickling off any excessive  
15 amount of powder material to the level of the top surface of  
the mold; pressing at a desired pressure the amount of  
powder material in the mold to form a powder compact; and  
displacing the powder compact with the lower press core  
relative to the mold so as to bring the powder compact to a  
20 desired position in the mold.